

ARIZONA'S MINERAL RESOURCES.

A Measure for Their Scientific Description and Presentation Which Should Be Adopted.

Senator Lovin of Mohave county, has introduced into the body of which he is a member a bill for advancement of the mineral resources of the new state, which is presented herewith; and it is believed by THE OASIS to be a meritorious measure which will wield a marvellous influence in presenting to the world at large the great undeveloped mineral resources of Arizona, and by calling the attention of capital to the marvellous opportunities here offered, will forward in a remarkable degree the work of development and increase in producing mines, mining population and taxable property.

Following is the text of the bill:

SENATE BILL NO. 55.

AN ACT

To Provide for the Representation of the Mineral Resources of the State of Arizona at the Panama-California International Exposition to be Held at San Francisco, California, in 1915.

Be it enacted by the Legislature of the State of Arizona:

Section 1. The State Geologist of the State of Arizona is hereby authorized, empowered and directed for the use of the State of Arizona in the due representation of the mineral resources of the State at the Panama-California, in the year 1915, to collect rocks, minerals, ores and metals of the several Mining Districts, and from the mines therein, of the State of Arizona, and to classify the same, and for such purpose to prepare maps, diagrams and such other literature as may be deemed by him necessary to show the ore occurrences in said Districts, and their relations to existing formations. Scientific results of the work aforesaid and such technical description of mines or mining properties from which the collection above provided shall be made, shall be published by said State Geologist as "The Ore Deposits of Arizona."

Section 2. The said State Geologist is hereby authorized and empowered in carrying on the work herein provided, to employ assistant geologists, engineers, draftsmen and sufficient clerical force, and to fix commensation of each thereof, to aid in carrying out, maintaining and perfecting the provisions of this act. He shall make annual report to the Governor of the State of the work done, plans of procedure and a full financial statement of the expenditures made under the appropriation herein authorized to be made for such purposes.

Section 3. The sum of Twenty Thousand Dollars is hereby annually appropriated in each year for three years, commencing with the year 1912 for the purposes expressed in this act, and the said sum shall be annually levied as a tax upon the taxable estates and inhabitants of the State of Arizona, and paid into the Treasury of the

State for the aforesaid purposes, and said sum of Twenty Thousand Dollars shall in each year be applicable to the disbursements of the State Geologist for the purposes herein provided, and said accounts for said disbursements, upon the payment thereof, shall be audited by the State Auditor.

Section 4. This act shall take effect immediately.

PURPOSE OF THE SURVEY.

- (1) To make scientific descriptions and maps of formations and ore deposits of the undescribed mineral area of the state.
- (2) To describe and map the veins and lodes of the district and also building stones, saline deposits and other non-metallic products.
- (3) To collect data regarding dam sites and water resources if possible while making the mineral survey.
- (4) To publish a Monograph on the Ore Deposits of Arizona incorporating in the same maps and descriptions of the state and of the various kinds of mineral deposits.
- (5) To secure cooperation with the Government Geological Survey to assist in this great work.
- (6) To secure cooperation with both mining companies and mining men in the collecting of minerals, and ores for exhibition at the San Francisco and San Diego Expositions.
- (7) To call the attention of the mining investor and mining engineer to our undescribed mineral deposits.

PLAN OF THE WORK.

- (1) Selection of staff consisting of geologists with assistant and draftsmen to be paid on a per diem basis, and a clerk.
- (2) Cooperation with the Chambers of Commerce to secure headquarters in the principle mining cities and places for exhibition of maps, and mineral collections.
- (3) Mapping and investigation of formations and ore deposits in the undescribed districts, and the comparison of the surface showing geology of undeveloped deposits with developed and known mines.
- (4) The collection of complete mineral exhibits for the San Francisco and San Diego Expositions, as well as smaller exhibits with maps for each county furnishing necessary housing and shelving for such exhibits.
- (5) Publication of an authoritative monograph on the Mineral Resources of Arizona.

CAN THE WORK OUTLINED BE DONE AS IT SHOULD?

Within the time available? and for the sum asked?

The United States Geological Survey has either completed the detailed description, or has an examination under way of the following mineral areas: Bradshaw Mountain area, Iager and Palache, geologists; Bisbee area, Ransome, geologist; Globe area, Ransome, geologist; Ray area, Ransome, geologist; Morenci area, Lindgren, geologist; Tucson area, Tolman, geologist. In these districts there will be necessary only further examination underground, and the collection of specimens.

Mohave and Yuma County have

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SANTA CRUZ COUNTY.

An Interesting Collection of Items from the Rural Regions.

Farmers about Elgin are plowing and putting in their crops. Never before has that region presented an appearance so busy.

From The Basin, near Harshaw, comes a report that some Bisbee people who are developing a promising property in that vicinity have struck a rich ore body.

Mr. J. W. Bonnie, general manager for the Shannon Copper Company, in Greenlee county, who has charge of the development of the R. R. R. mine, has been a visitor at the camp this week.

This week Mr. John Clary has made final proof upon his homestead entry in the Canille region, on the west slope of the Huachuca mountains. Mr. Clary has 160 acres of as fine land as there is anywhere out of doors.

Mr. C. A. Gabriel is filling temporarily the place of Mr. E. H. Evans in the store of the Washington Trading Company, at Patagonia, in the absence of the latter named gentleman, who is visiting his former home in New York.

Mr. L. W. Ackzein, from Santa Barbara, California, who has taken up a quarter section of land in the Elgin region, is preparing to bring in a well boring machine for the purpose of going to a depth sufficient to test thoroughly the possibilities of artesian flows.

The Havalena Mining Company, which holds valuable properties on the west slope of the Patagonia mountains, has succeeded in financing their enterprise, and the capital for an extensive development is assured. Work is scheduled to begin shortly.

It is reported that a company of California capitalists has taken over the mining claims in the red hill at the north end of the Patagonia mountains, near the town of Patagonia, and will run through the hill a long tunnel to prospect at depth the quartz ledges running through.

Advices from the R. R. R. mine convey the intelligence that the crosscut which was twenty-two feet into very rich ore, a couple of weeks ago, is now more than forty feet into the same kind of ore, without any indications of its ending. A great mining camp in Santa Cruz county is looming large at the R. R. R.

At the Onyx King camp, on the north side of the Santa Rita mountains, twelve miles southwest from Greaterville, there is doing considerable development with employment of quite a force of men. Mr. William S. Knight is general manager. Steps have been taken toward establishment of a post office, to be named Onyx.

A post office is to be established at Montana Camp, out in the Oro Blanco region. Mr. J. S. Andrews, the proprietor of the store there, has received the supplies and is remodelling the store building to

accommodate the office. The move for such an office was set on foot in October last and it will be of material assistance to those engaged in development of the region surrounding.

The quickening that has taken place in mining operations in the Patagonia mountains and in the Oro Blanco region, as noted in THE OASIS, has caused a livening up of business in Patagonia, Oro Blanco and other places adjacent to the scenes of operations. What with the new life going into her mining regions, and agricultural and horticultural development in the valleys, Santa Cruz county is beginning to move along.

A petition has been prepared and forwarded from Sonoita to the Post Office department at Washington, to have the distributing point for the Greaterville region changed from Vail's station on the main line of the Southern Pacific to Sonoita. Express and freight both go into the region named from Sonoita, and it would add greatly to the expedition of the mails to have the route changed. Now the mails go from Vail's to Helvetia, thence to Greaterville, some thirty miles. From Sonoita the distance is but a dozen miles.

Last week the board of supervisors, Messrs. A. S. Henderson (chairman) and Walter Fortune of Patagonia, and A. L. Peck of Nogales, with the county surveyor, Mr. H. Gordon Glore, devoted a number of days to surveying new roads in the Elgin region for the accommodation and convenience of the new settlers locating there. Among other roads they surveyed and will establish is one to connect the station at Elgin with the state highway, now in course of construction, passing close to the Pima county line, about five miles north. The proposed road will give the people of the Elgin country short routes to Tucson or Fairbank over the state highway.

Out in the Oro Blanco region there is reported considerable activity in mining. At the Austerlitz Woodworth & Lane, who have a bond on the property, are working thirty men and driving development as rapidly as men and money can do the work, and every day sees the extent of the known ore bodies receiving farther demonstration. At the Montana mine, which has been developed by Powell & McDermott, during the past three weeks there has been made a thorough examination by experts from the Copper Queen staff, and at present the work is shut down pending their report, and work is doing in several other properties, including the China, Tres Amigos and Yellowhammer mines.

Mr. E. L. Cunningham, from San Blas, who has been round house foreman at that place more than a year past, was at Nogales Monday, en route to Utah, on a leave of absence which runs to the first of June. When he returns to Mexico Mr. Cunningham will go to Culiacan to take a similar position for the same company at the Sinaloa capital.